⤳7

RAW SEQUENCE LISTING   DATE: 08/08/2001
PATENT APPLICATION: US/09/724,553   TIME: 11:08:43

Input Set : A:\-11-3.app
Output Set: N:\CRF3\08082001\I724553.raw

ENTERED

```
 4 <110> APPLICANT: Lu, Peter S.
 5        Rabinowitz, Joshua D.
 6        Schweizer, Johannes
 7        Arbor Vita Corporation
 9 <120> TITLE OF INVENTION: Molecular Interactions in Hematopoietic
10        Cells
12 <130> FILE REFERENCE: 020054-001130US
14 <140> CURRENT APPLICATION NUMBER: US 09/724,553
15 <141> CURRENT FILING DATE: 2000-11-28
17 <150> PRIOR APPLICATION NUMBER: US 60/134,114
18 <151> PRIOR FILING DATE: 1999-05-14
20 <150> PRIOR APPLICATION NUMBER: US 60/134,117
21 <151> PRIOR FILING DATE: 1999-05-14
23 <150> PRIOR APPLICATION NUMBER: US 60/134,118
24 <151> PRIOR FILING DATE: 1999-05-14
26 <150> PRIOR APPLICATION NUMBER: US 60/160,860
27 <151> PRIOR FILING DATE: 1999-10-21
29 <150> PRIOR APPLICATION NUMBER: US 60/162,498
30 <151> PRIOR FILING DATE: 1999-10-29
32 <150> PRIOR APPLICATION NUMBER: US 60/170,453
33 <151> PRIOR FILING DATE: 1999-12-13
35 <150> PRIOR APPLICATION NUMBER: US 60/176,195
36 <151> PRIOR FILING DATE: 2000-01-14
38 <150> PRIOR APPLICATION NUMBER: US 60/182,296
39 <151> PRIOR FILING DATE: 2000-02-14
41 <150> PRIOR APPLICATION NUMBER: US 60/196,267
42 <151> PRIOR FILING DATE: 2000-04-11
44 <150> PRIOR APPLICATION NUMBER: US 60/196,460
45 <151> PRIOR FILING DATE: 2000-04-11
47 <150> PRIOR APPLICATION NUMBER: US 60/196,527
48 <151> PRIOR FILING DATE: 2000-04-11
50 <150> PRIOR APPLICATION NUMBER: US 60/196,528
51 <151> PRIOR FILING DATE: 2000-04-11
53 <150> PRIOR APPLICATION NUMBER: US 09/547,276
54 <151> PRIOR FILING DATE: 2000-04-11
56 <150> PRIOR APPLICATION NUMBER: US 09/569,525
57 <151> PRIOR FILING DATE: 2000-05-12
59 <150> PRIOR APPLICATION NUMBER: US 09/570,118
60 <151> PRIOR FILING DATE: 2000-05-12
62 <150> PRIOR APPLICATION NUMBER: US 09/570,364
63 <151> PRIOR FILING DATE: 2000-05-12
65 <150> PRIOR APPLICATION NUMBER: US 09/688,017
66 <151> PRIOR FILING DATE: 2000-10-13
68 <150> PRIOR APPLICATION NUMBER: US 09/710,059
69 <151> PRIOR FILING DATE: 2000-11-10
71 <160> NUMBER OF SEQ ID NOS: 543
73 <170> SOFTWARE: FastSEQ for Windows Version 3.0
```

RAW SEQUENCE LISTING   DATE: 08/08/2001
PATENT APPLICATION: US/09/724,553   TIME: 11:08:43

Input Set : A:\-11-3.app
Output Set: N:\CRF3\08082001\I724553.raw

```
 75 <210> SEQ ID NO: 1
 76 <211> LENGTH: 8
 77 <212> TYPE: PRT
 78 <213> ORGANISM: Artificial Sequence
 80 <220> FEATURE:
 81 <223> OTHER INFORMATION: peptide antagonist C-terminus of BLR-1
 83 <400> SEQUENCE: 1
 84  Asn Ala Thr Ser Leu Thr Thr Phe
 85   1               5
 87 <210> SEQ ID NO: 2
 88 <211> LENGTH: 4
 89 <212> TYPE: PRT
 90 <213> ORGANISM: Artificial Sequence
 92 <220> FEATURE:
 93 <223> OTHER INFORMATION: small molecule inhibitor
 95 <221> NAME/KEY: MOD_RES
 96 <222> LOCATION: (1)...(1)
 97 <223> OTHER INFORMATION: Xaa = acetyl-leucine
 99 <400> SEQUENCE: 2
```
W--> ```
100 Xaa Thr Thr Phe
101   1
103 <210> SEQ ID NO: 3
104 <211> LENGTH: 8
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: peptide antagonist C-terminus of DOCK2
111 <400> SEQUENCE: 3
112 Pro Asp Ser Leu Ser Thr Asp Leu
113   1   5
115 <210> SEQ ID NO: 4
116 <211> LENGTH: 4
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: PDZ motif
123 <400> SEQUENCE: 4
124 Ser Ser Gln Leu
125   1
127 <210> SEQ ID NO: 5
128 <211> LENGTH: 5
129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: PDZ motif
135 <400> SEQUENCE: 5
136 Ser Ser Ser Gln Leu
137 1   5
139 <210> SEQ ID NO: 6
```

RAW SEQUENCE LISTING                    DATE: 08/08/2001
PATENT APPLICATION:  US/09/724,553      TIME: 11:08:43

              Input Set : A:\-11-3.app
              Output Set: N:\CRF3\08082001\I724553.raw

140 <211> LENGTH: 6
141 <212> TYPE: PRT
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: PDZ motif
147 <400> SEQUENCE: 6
148   Ser Ser Ser Ser Gln Leu
149   1               5
151 <210> SEQ ID NO: 7
152 <211> LENGTH: 7
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: PDZ motif
159 <400> SEQUENCE: 7
160   Pro Ser Ser Ser Ser Gln Leu
161   1               5
163 <210> SEQ ID NO: 8
164 <211> LENGTH: 8
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: PDZ motif
171 <400> SEQUENCE: 8
172   Pro Pro Ser Ser Ser Ser Gln Leu
173   1               5
175 <210> SEQ ID NO: 9
176 <211> LENGTH: 4
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: PDZ motif
183 <400> SEQUENCE: 9
184   Cys Ser Pro Ile
185   1
187 <210> SEQ ID NO: 10
188 <211> LENGTH: 5
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: PDZ motif
195 <400> SEQUENCE: 10
196   Thr Cys Ser Pro Ile
197   1               5
199 <210> SEQ ID NO: 11
200 <211> LENGTH: 6
201 <212> TYPE: PRT
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:

```
205 <223> OTHER INFORMATION: PDZ motif
207 <400> SEQUENCE: 11
208  Lys Thr Cys Ser Pro Ile
209    1              5
211 <210> SEQ ID NO: 12
212 <211> LENGTH: 7
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: PDZ motif
219 <400> SEQUENCE: 12
220  Gln Lys Thr Cys Ser Pro Ile
221    1              5
223 <210> SEQ ID NO: 13
224 <211> LENGTH: 8
225 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: PDZ motif
231 <400> SEQUENCE: 13
232  Phe Gln Lys Thr Cys Ser Pro Ile
233    1              5
235 <210> SEQ ID NO: 14
236 <211> LENGTH: 4
237 <212> TYPE: PRT
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: PDZ motif
243 <400> SEQUENCE: 14
244  Ile Ser Ala Ala
245    1
247 <210> SEQ ID NO: 15
248 <211> LENGTH: 5
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: PDZ motif
255 <400> SEQUENCE: 15
256  Asp Ile Ser Ala Ala
257    1              5
259 <210> SEQ ID NO: 16
260 <211> LENGTH: 6
261 <212> TYPE: PRT
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: PDZ motif
267 <400> SEQUENCE: 16
268  Asp Asp Ile Ser Ala Ala
269    1              5
```

```
271 <210> SEQ ID NO: 17
272 <211> LENGTH: 7
273 <212> TYPE: PRT
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: PDZ motif
279 <400> SEQUENCE: 17
280  Tyr Asp Asp Ile Ser Ala Ala
281   1               5
283 <210> SEQ ID NO: 18
284 <211> LENGTH: 8
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: PDZ motif
291 <400> SEQUENCE: 18
292  Asp Tyr Asp Asp Ile Ser Ala Ala
293   1               5
295 <210> SEQ ID NO: 19
296 <211> LENGTH: 4
297 <212> TYPE: PRT
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: PDZ motif
303 <400> SEQUENCE: 19
304  Thr Ser Glu Ile
305   1
307 <210> SEQ ID NO: 20
308 <211> LENGTH: 5
309 <212> TYPE: PRT
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: PDZ motif
315 <400> SEQUENCE: 20
316  Cys Thr Ser Glu Ile
317   1               5
319 <210> SEQ ID NO: 21
320 <211> LENGTH: 6
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: PDZ motif
327 <400> SEQUENCE: 21
328  Ser Cys Thr Ser Glu Ile
329   1               5
331 <210> SEQ ID NO: 22
332 <211> LENGTH: 7
333 <212> TYPE: PRT
334 <213> ORGANISM: Artificial Sequence
```

VERIFICATION SUMMARY   DATE: 08/08/2001
PATENT APPLICATION: **US/09/724,553**   TIME: 11:08:44

Input Set : **A:\-11-3.app**
Output Set: **N:\CRF3\08082001\I724553.raw**

```
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:5500 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:407
L:5522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:408
```